

Intel® Pentium® 4 Processor for Large Businesses

Key Messages & Usage Models

Performance



Optimized Software

Press Quotes

www.intel.com

intel®

July 2001

Press Testimonials

Overall

“For those hunting for the best performance that money can buy—the P4 delivers in spades.”

http://www.planethardware.com/features/cpu/p4_1500_firstlook/index7.shtml

NetBurst™ Micro-architecture

“Intel designed the new Pentium® 4 architecture, called “NetBurst,” to better handle the needs of today’s Internet user. Data encryption, video compression and peer-to-peer networking capabilities are greatly improved with Pentium® 4.”

Kevin Knox, Gartner Analyst, November 20, 2000, CNet

Multimedia and Content Creation

“Video and image production professionals will snap up Pentium® 4 PCs because of their advanced multimedia features.”

Financial Times, November 20, 2000

Video Encoding Performance

“For those who work in digital video, the Pentium® 4 clearly represents a big advance in desktop performance.”

<http://www.zdnet.com/special/stories/sc/desktops/reviews/0,12492,2655741-2,00.html>

Streaming Audio & Video

“...believe the Pentium® 4—designed for swift, seamless processing of video and audio data off the Internet.”

The Sacramento Bee, November 20, 2000

3D Visualization

“The applications that will tax PCs in the future are 3D graphics, image manipulation, audio/video compression and voice recognition. Pentium® 4 excels in these areas...”

Linley Gwennap, Analyst, The Linley Group

<http://www.techweb.com/se/directlink.cgi?EET20001204S0047>

Value Proposition

“In corporations, (buying Pentium® 4 computers) becomes a no-brainer. The price moves are incredibly aggressive.”

Van Baker, VP Gartner Group, April 23, 2001, CNet

Advanced Technology for the Internet and Beyond for Large Businesses

- Supplies power for end user application multitasking and IT-enabled background services such as manageability, security, and compression
- Delivers optimal performance for Java* technology and XML, enabled in Office* XP, Windows* XP and Web services
- Provides the performance boost for a more efficient and effective workforce:
 - 3D rendering utilized in business analysis
 - Video decompression for e-Learning
 - Peer-to-peer interaction and collaboration



Performance where users need it most

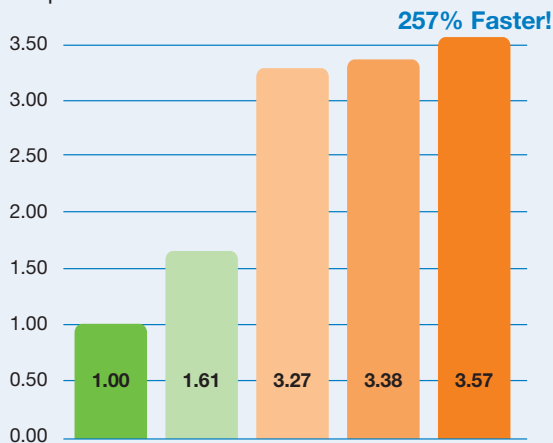


Performance

where users need it most

3D/Floating Point

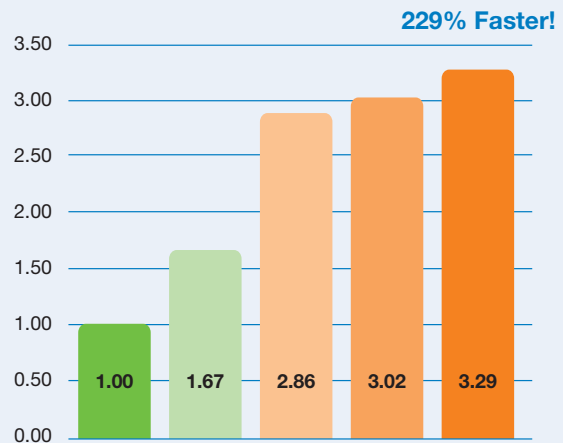
SPECfp* 2000



Smoother and faster 3D visualization for the next generation of interfaces, displays and applications

Video Encoding Performance

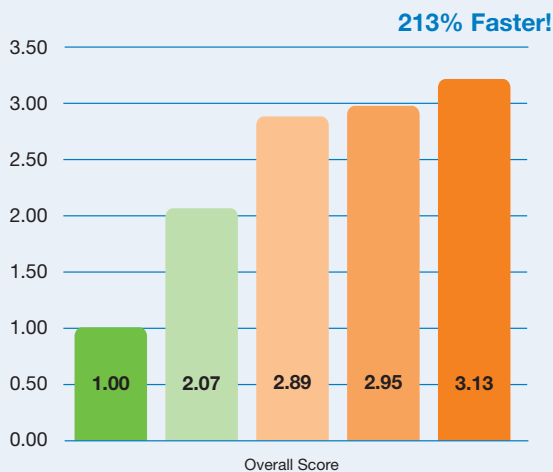
Microsoft* Windows* Media Encoder 7.0



Deliver media-rich communications to your employees, customers and business partners

Office Productivity

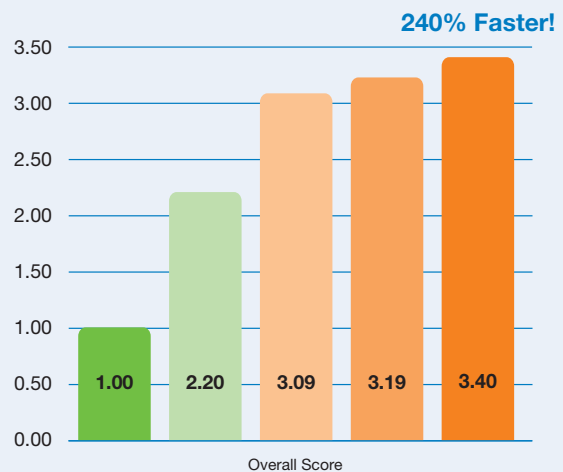
SYSmark* 2001



Faster system response to common office productivity and Internet content creation uses

Internet

WebMark* 2001



Accelerated Internet performance for existing and future technologies

Benchmark Source: Intel. **Configuration:** Intel® Pentium® III processor at 500 MHz: Intel® Desktop Board SE440BX-2, 128 MB PC100 CL2 SDRAM, Diamond Viper® 550/nVidia® TNT 2x AGP with 16 MB memory, IBM DTTA-301010 10 GB ATA-33 hard drive, nVidia reference driver 6.31 graphics driver, 100 Mbps LAN, DMA on, Intel® chipset INF file N/A; Intel Pentium III processor at 1B GHz: Intel® Desktop Board D815EA; Intel® Pentium® 4 processor at 1.70 GHz, 1.80 GHz and 2.00 GHz: Intel® Desktop Board D850GB, 128 MB PC800 RDRAM-45; All platforms, except Pentium III processor at 500 MHz: 256 MB for SPEC, Creative® Annihilator 2 with nVidia® GeForce® 2 GTS, IBM® 30 GB ATA-100 DTLA-307030 hard drive, nVidia Detonator® 3 v4.12.01.0631 graphics driver, DirectX® 8.0, Windows® 2000, 100 Mbps LAN, Intel® Ultra ATA Storage Driver v6.03.008, Intel® chipset INF file v2.60.01, Intel C and Fortran compilers 5.0 for SPEC; Intel Pentium III processor speeds ending in B support the 133 MHz system bus.

Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance.

- Intel® Pentium® 4 Processor 2.00 GHz
- Intel Pentium 4 Processor 1.80 GHz
- Intel Pentium 4 Processor 1.70 GHz
- Intel® Pentium® III Processor 1.00 B GHz
- Intel Pentium III Processor 500 MHz

Software Applications and Usage Models

Intel® Pentium® 4 Processor Benefits

e-Business

- Exceptional performance on Internet technologies such as XML, Java* and Flash*

Productivity

- Architected for new Business Analysis and Visualization applications
- Experience the advantages of e-Learning and streaming media with quick file decompression

Multitasking

- Shift between applications smoothly and seamlessly
- Manage foreground applications and background tasks such as virus scans and security features simultaneously
- Run Microsoft* Windows* 2000 Professional and Windows* XP, the performance business operating systems, effortlessly



Partial List of Optimized Software Titles

Content Creation

- 3Dfilm* 2000**
by RADTime
- Adobe* Photoshop***
by Adobe Systems Incorporated
- CorelDRAW* 10 Graphics Suite**
by Corel Corporation
- Cult3D***
by Cycore
- GoMotion* MPEG-2 Codec SDK**
by Ligos Technology
- Imaging Application Platform***
by Cedara Software Corporation
- SmartForce* Medical Training Demo**
by SmartForce
- TerraExplorer***
by Skyline Software Systems, Inc.
- TrueSpace5***
by Caligari Corporation
- Solid Edge* Version 10**
by UGS*

Business Analysis & Visualization/ Knowledge Management

- 80-20 Discovery***
by 80-20 Software
- DataScope***
by Cygiron
- Enfish Onespace***
by Enfish Technology
- melvil***
by UMA
- OpenViz***
by Advanced Visual Systems

Collaborative Environments

- Engenia Unity***
by Engenia Software
- Eve Avatar***
by Haptik
- Holodesk* Communicator**
by Tpresence, Inc.
- Organik* Lodestone***
by Orbital Software

Internet

- C-Me***
by Browzwear International, Ltd.
- Fab Fashion* Demo & e-Visualizer***
by Superscape
- Full Rate SAM***
by Itex
- Graphic Gems Web3D Viewer***
by Graphic Gems, Inc.
- i3Dbox***
by Micro Sova

Business Productivity

- Dragon* NaturallySpeaking* 5.0**
by Dragon Systems

Intel® Pentium® 4 Processor

Advantage Summary

Why do large businesses want to buy a Pentium® 4 Processor?

- Power for multiple e-Business tasks, without sacrificing user performance
- Increased multimedia application performance
- Headroom for changes in the e-Business computing environment
- Provides longevity for the future

The Intel® Pentium® 4 processor platform: A new generation of processing power from Intel

Intel Pentium 4 Processor Family: 1.30, 1.40, 1.50, 1.60, 1.70, 1.80 & 2.00 GHz

Intel® NetBurst™ Micro-architecture

| New Features | Benefits |
|----------------------------|--|
| Hyper-pipelined Technology | Increases processor frequency and performance |
| Rapid Execution Engine | Higher throughput and reduced latency |
| 400 MHz System Bus | More responsive system performance |
| Execution Trace Cache | More efficient use of cache memory for increased performance |

Intel® 850 Chipset: Dual channel RDRAM* provides highest memory throughput

Intel® 845 Chipset: PC 133 SDRAM provides high volume, cost effective solution



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